SNAPSHOOT
ENGINEERED FOR A SAFER TOMORROW

현장을 이해하고, 필요한 솔루션을 연결합니다.

산업안전 · 추락방지 시스템
산업용 소재 · 건축자재
제품 제안부터 공급·시공·설치·교육까지



COMPANY INFORMATION

스냅슛 (SNAPSHOOT)

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TECHNICAL DOCUMENTS

인증서 · 데이터시트 · 기술자료

제품의 규격과 성능, 인증 및 적용 조건을 확인하기 위한 자료입니다.

ABOUT SNAPSHOOT

제품 공급을 넘어, 현장에 맞는 해결책으로

스냅슛은 산업현장의 작업 환경과 요구 조건을 바탕으로
적합한 제품과 시스템을 제안합니다. 현장 실사를 통해 설치 조건을 확인하고,
공급부터 시공·설치 및 사용 교육까지 필요한 과정을 함께합니다.

추락방지 시스템

안전대부착설비 · 수평·수직 라이프라인
레일 시스템 · 리지드 포스트

밀폐공간 진입·구조 솔루션

데빗암 · 삼각대 · 구조용 윈치
윈치 안전블록 · 구조장비

산업안전 보호구

전신형 안전대 · 랜야드 · 안전블록
작업 환경에 맞춘 개인보호구

산업용 소재·건축자재

산업용 테이프 · 접착제 · 기능성 소재
구조용 스크류 · 목조건축 자재

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홈페이지 바로가기 →
문서 라이브러리 바로가기 →
시공사례 바로가기 →
문의하기 →

본 페이지는 스냅슛의 자료 제공 안내용 표지입니다. 첨부된 인증서 및 기술자료의 발행 주체, 인증 대상과 적용 범위는 해당 원문을 기준으로 확인해 주세요.

Neutralizing Buffered Peptone Water (9034)

Revision: 2 Effective Date: 10/28/2020

Intended Use

Neutralizing Buffered Peptone Water is used for the transport of plant rinse samples from treated young chicken and turkey carcasses and chicken parts to laboratories testing for the presence of *Salmonella* and *Campylobacter* spp. in a laboratory setting. Neutralizing Buffered Peptone Water is not intended for use in the diagnosis of disease or other conditions in humans. This formula was developed by the Agricultural Research Service and is specified to replace Buffered Peptone Water for the transport of samples following the USDA/FSIS testing protocols.

Description

Neutralizing Buffered Peptone Water (nBPW) is prepared according to the FSIS Notice 41-16 (6/8/2016) and is used to transport treated plant samples of young chicken and turkey carcasses and chicken parts for the enrichment procedure to identify *Salmonella* in these products.

Typical Formulation

Buffered Peptone Water	20.0 g/L
Soy Lecithin	7.0 g/L
Sodium thiosulfate	1.0 g/L
Sodium bicarbonate (pH supplement)	12.5g/L

Final pH: 7.7 ± 0.5 at 25°C (after post-sterilization addition of pH adjustment supplement {sodium bicarbonate})
Formula may be adjusted and/or supplemented as required to meet performance specifications.

Precaution

Refer to SDS

Preparation

1. Dissolve 28.0 grams of the medium in 833 milliliters of purified water.
2. Mix thoroughly.
3. Autoclave at 121°C for 15 minutes.
4. Cool to at least 55°C before adding the sodium bicarbonate solution.
5. Dissolve 12.5 grams of the sodium bicarbonate in 167ml of processed water, filter-sterilize through a 0.22µm (can substitute 0.45µm) pore size sterilization filter and add the 167 ml to the cooled 833 ml of nBPW, bringing the total volume to one liter.

Quality Control Specifications

Dehydrated Appearance: Powder is homogeneous, light to medium-beige and appears moist with some clumping.

Prepared Appearance: Prepared medium is an off-white to beige-yellow very hazy suspension with a heavy precipitate.

Expected Cultural Response: Cultural response in nBPW at 35 ± 2°C after 18 - 24 hours incubation and then streaking for isolation onto XLT4 Agar for *Salmonella* spp. Streak for isolation of *Campylobacter* spp. onto Campy Cefex Agar. Incubate all plates as directed by lab protocol guidelines.

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MICROORGANISM	APPROX. INOCULUM (CFU)	EXPECTED RESULTS on XLT4, CCDA or Campy Cefex Agar		ACTUAL RESULTS on XLT4, CCDA or Campy Cefex Agar
		Growth	Reaction	Growth / Reaction
Salmonella serovar Enteritidis	20-50	Fair to Excellent	Yellow to red with black centers	Meets Expected Result
Salmonella serovar Newington	20-50	Fair to Excellent	Yellow to red with black centers	Meets Expected Result
Salmonella serovar Kentucky	20-50	Fair to Excellent	Yellow to red with black centers	Meets Expected Result
Salmonella serovar Montevideo	20-50	Fair to Excellent	Yellow to red with black centers	Meets Expected Result
Salmonella serovar Senftenberg	20-50	Fair to Excellent	Yellow to red with black centers	Meets Expected Result
Campylobacter coli ATCC 33559	10^4-10^6	Fair to good	Typical for each culture medium	Meets Expected Result
Campylobacter jejuni ATCC 29428	10^4-10^6	Fair to good	Typical for each culture medium	Meets Expected Result
Campylobacter lari ATCC 35221	10^4-10^6	Fair to good	Typical for each culture medium	Meets Expected Result

The organisms listed are the minimum that should be used for quality control testing.
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Revision: 2 Effective Date: 10/28/2020

Test Procedure

Dispense prepared medium into appropriate sterile vessel size for the volume being tested.

Prepare appropriate dilutions of the test strains to achieve the desired inoculum concentration.

Inoculate the test strains into the prepared medium.

Incubate the inoculated medium for 18-24 hours at 35 ± 2°C. *Campylobacter* spp. may require incubation in a microaerophilic chamber for optimum recovery.

For *Salmonella* spp.: After 18-24 hours, aseptically streak for isolation from each test strain vessel onto XLT4 Agar plates and incubate the agar plates for 18-48 hours at 35 ± 2°C. Salmonella colonies are yellow to red with black centers.

For *Campylobacter* spp.: After 18-24 hours, aseptically streak for isolation from each test strain vessel onto Campy Cefex Agar plates and incubate the agar plates under microaerophilic atmosphere for 48-72 hours at 35 ± 2°C. Campylobacter colonies are white to pink.

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Results
Neutralizing Buffered Peptone Water ensures the survival of any target strain in chicken carcasses and chicken part or turkey carcasses without die-off from antimicrobials and/or processing aids used in processing plants.

Expiration
Refer to expiration date stamped on the container. The dehydrated medium should be discarded if not free flowing, or if the appearance has changed from the original color. Expiry applies to medium in its intact container when stored as directed.

Limitations of the Procedure
Due to nutritional variation, some strains may be encountered that grow poorly or fail to transport well in this medium.

Storage
Store dehydrated culture media at 2-30°C away from direct sunlight. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light by keeping container tightly closed.

References
1. FSIS Notice 41-16; June 8, 2016.

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